



ON-SITE CALIBRATION

OF BALANCES AND WEIGHTS

Exact measurements – fast, reliable and precise.



Deutsche
Akkreditierungsstelle
D-K-19408-01-00

Accredited calibration for non-automatic electronic balances
and weights according to DIN EN ISO/IEC 17025:2018

Your personal contact:

Test service for electronical balances
DAkkS accredited calibration laboratory
Tel. +49 7433 / 99 33 - 400
E-Mail: testservices-onsite@kern-sohn.com

www.kern-lab.com

KERN

Precision is our business

Only a documented calibration turns a measuring instrument into a reliable test equipment. The DAkkS accredited KERN calibration laboratory D-K-19408-01-00 in Balingen is one of the most modern calibration laboratories in Europe in the field of technology and testing.

The calibration certificates with accreditation symbol issued by KERN are proof of metrological traceability to national or international standards as required – among others – by the DIN EN ISO 9000 family of standards.

OUR SERVICE

We come to you!

We offer you our brand-independent calibration service for electronic balances up to 50 t as well as for weights of class M1 up to 2,500 kg directly at your company. This on-site calibration service is metrologically recommended since your test equipment is calibrated in the environment of use and thus the actual ambient conditions are taken into account during calibration. Low downtimes, scheduling flexibility and personal contact with the expert are additional features of this service.



EXACT
MEASUREMENTS
ON SITE

YOUR ADVANTAGES

- Calibration in the field of use
- Minimization of measuring uncertainty and guarantee of process accuracy strictly according to EURAMET cg-18
- Brand-independent service, basic inspection and adjustment by a specialist
- Monitoring of test equipment and recalibration reminder
- No risk of damage during transport
- Maintenance and maintenance contracts
- Low downtime
- Rental devices and new devices with installation at the place of use
- You tell us when you would like us to come
- Device training for qualified users
- Equipment qualification IQ/OQ/PQ
- Driving services for equipment transfer
- Verification preparation/support
- Safety inspection for medical balances (STK)
- Calibration of test weights
- Documented instructions for professionally qualified employees

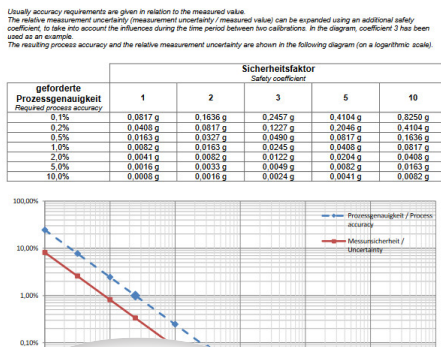
Kalibrierschein Calibration Certificate	Sample-2023-01/1	Kalibrierzeichen Calibration mark
Gegenstand Object	Analysenwaage Analytical balance	Dieser Kalibrierschein dokumentiert die metrologische Rückführbarkeit auf nationale Normale zur Darstellung der Einheit in Übereinstimmung mit dem internationalen Einheitensystem (SI). Die DAKKS ist Unterzeichner der multilateralen Übereinkommen der European co-operation for Accreditation (EA) und der International Laboratory Accreditation Cooperation (ILAC) zur gegenseitigen Anerkennung der Kalibrierergebnisse. Für die Einhaltung einer angemessenen Frist zur Wiederholung der Kalibrierung ist der Benutzer verantwortlich.
Hersteller Manufacturer	KERN & SOHN GmbH Ziegelei 1 72336 Baltingen-Frommern	
Typ Type	ABT 120-SDM	
Fabrikat/Serien-Nr. Serial number	WX12345678	
Auftraggeber Customer	Mustermann GmbH Musterweg 42 12345 Musterstadt Deutschland	This calibration certificate documents the metrological necessity to assure constant units of measurement according to the international system of units (SI). The DAKKS is a signatory to the multilateral agreements of the European co-operation for Accreditation (EA) and of the International Laboratory Accreditation Cooperation (ILAC) for mutual recognition of calibration certificates. The user is obliged to have the object recalibrated at appropriate intervals.
Auftragsnummer Order no.	2023-12345678	
Anzahl der Seiten des Kalibrierscheines Number of pages of the certificate	9	
Datum der Kalibrierung Date of calibration	26.01.2023	

KERN & SOHN GmbH, Ziegelei 1, D-72336 Baltingen, Germany

Messergebnisse: Measurement results	2023-01
Zustand #1: State	Ursprungszustand / as found -
Temperatur: Temperature	zu Beginn at the beginning
Temperatur: Temperature	22,0 °C
1. Wiederholbarkeit / Repeatability	2. Außermittige Belastung / Eccentricity
Messung Measuring	Prüflast Load
No. 1	100 g
No. 2	100 g
No. 3	100 g
No. 4	100 g
No. 5	100 g
Standardabweichung: Standard deviation	s = 0,00009 g
3. Richtigkeit / Errors of indication	
Prüflast Load	Waagenanzeige Indication

Messunsicherheit / Measurement uncertainty	2023-01
Zustand / State #1 - (Ursprungszustand / as found, - / -)	
Prüflast Load	Abweichung Error
20 g	0,0001 g
50 g	0,0002 g
70 g	0,0003 g
100 g	0,0004 g
120 g	0,0005 g
Darstellung im Diagramm / Representation as chart	
Zustand / State #2 - nach Wartung (Endzustand / as left)	
Prüflast Load	Abweichung Error
20 g	0,0001 g
50 g	0,0002 g
70 g	0,0003 g
100 g	0,0004 g
120 g	0,0005 g

Anlage 2 / Attachment 2	2023-01
Mindesteinwaage / Minimum weight of sample	
In der Regel sind Genauigkeitsforderungen im Bezug auf den Messwert angegeben. Die relative Messunsicherheit (Messunsicherheit / Messwert) kann mit einem zusätzlichen Sicherheitsfaktor erweitert werden, um so die Einflüsse im Zeitraum zwischen zwei Kalibrierungen zu berücksichtigen. Im Diagramm wird als Beispiel der Faktor 3 gewählt. Die daraus resultierende Prozessgenauigkeit und die relative Messunsicherheit sind im folgenden Diagramm (in logarithmischer Skala) aufgetragen.	



OUR CALIBRATION CERTIFICATE

The core of highest quality level



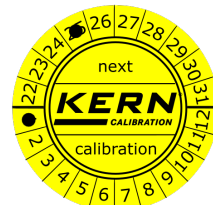
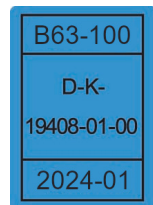
Your company is certified according to ISO 9001, GLP, GMP, IATF and you need the monitoring of your test equipment?



We have the solution for you!

Accredited calibration according to
DIN EN ISO 17025 as proof of traceability.

Every electronic measuring instrument only provides correct results if it is checked regularly i.e. if it is correctly calibrated and adjusted if necessary. Only with a documented calibration electronic balances, test weights or other measuring instruments become reliable measuring instruments and testing devices, especially in quality-relevant processes.

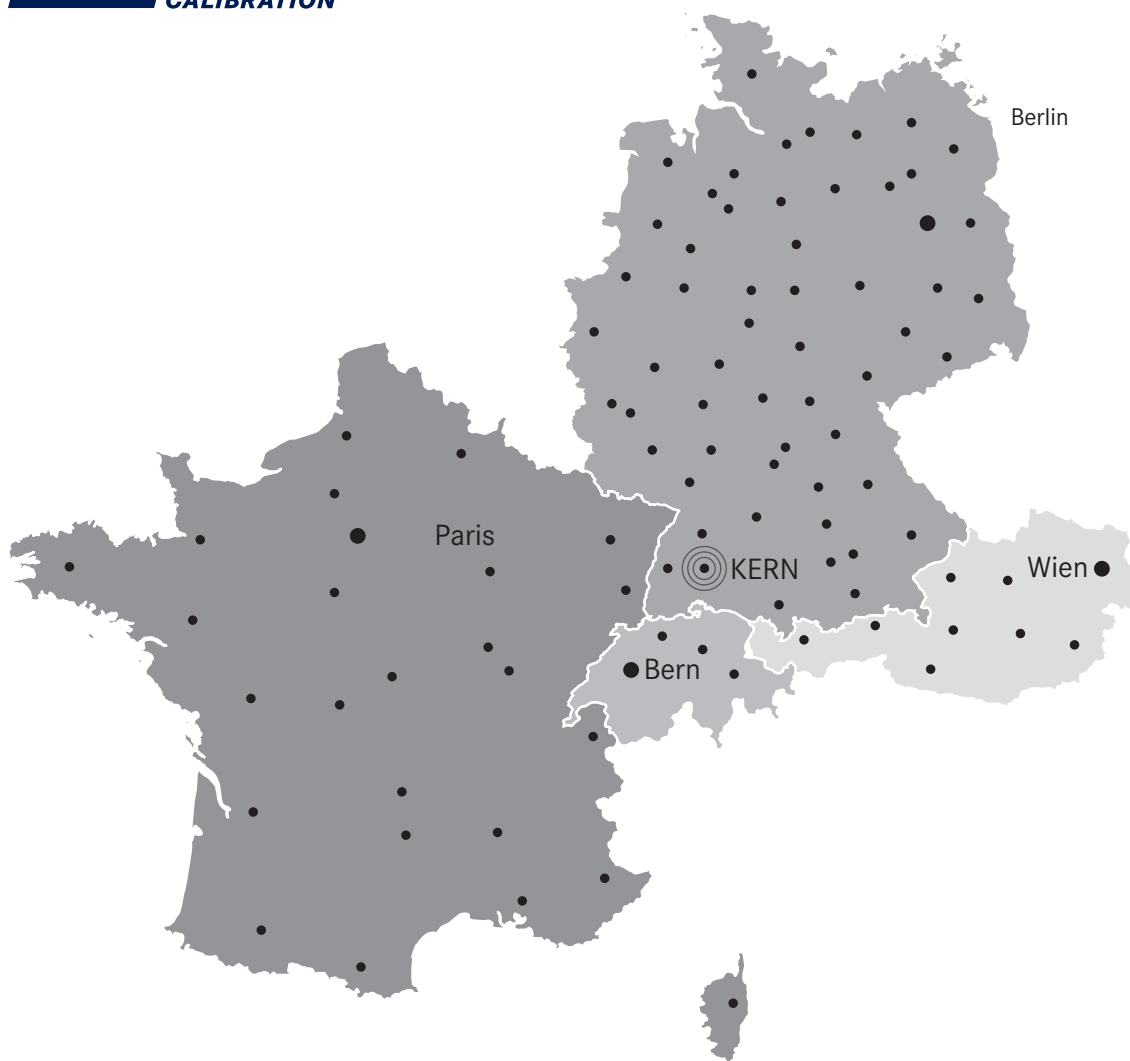


More information can be also found in our brochure.

EXACT MEASUREMENTS ON SITE

Fast – reliable – precise

KERN has a wide network of employees at the DAkkS accredited calibration laboratory, who perform on-site calibrations of balances & weights. Our calibration service is brand-independent.



Locations not representative.

We will be happy to send you an individual offer!
We perform this service at your desired date.
Please contact us.



www.kern-lab.com